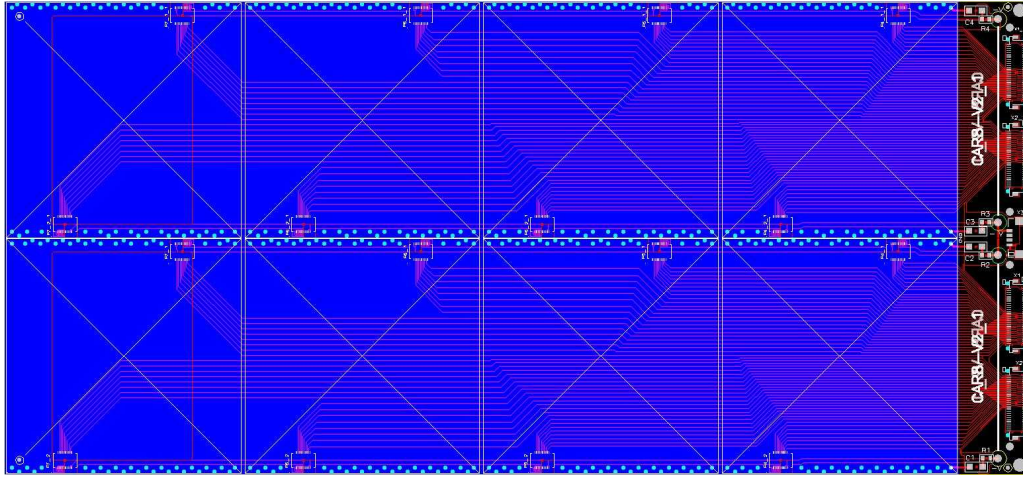
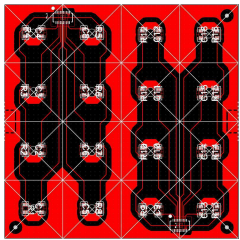


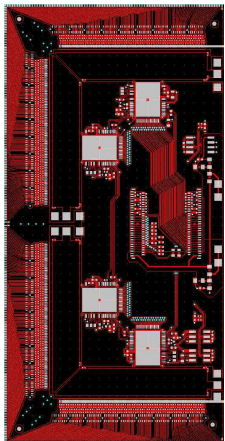
Components



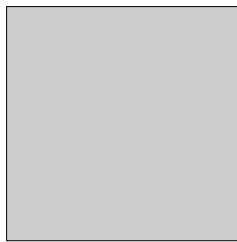
CAR8



INTC

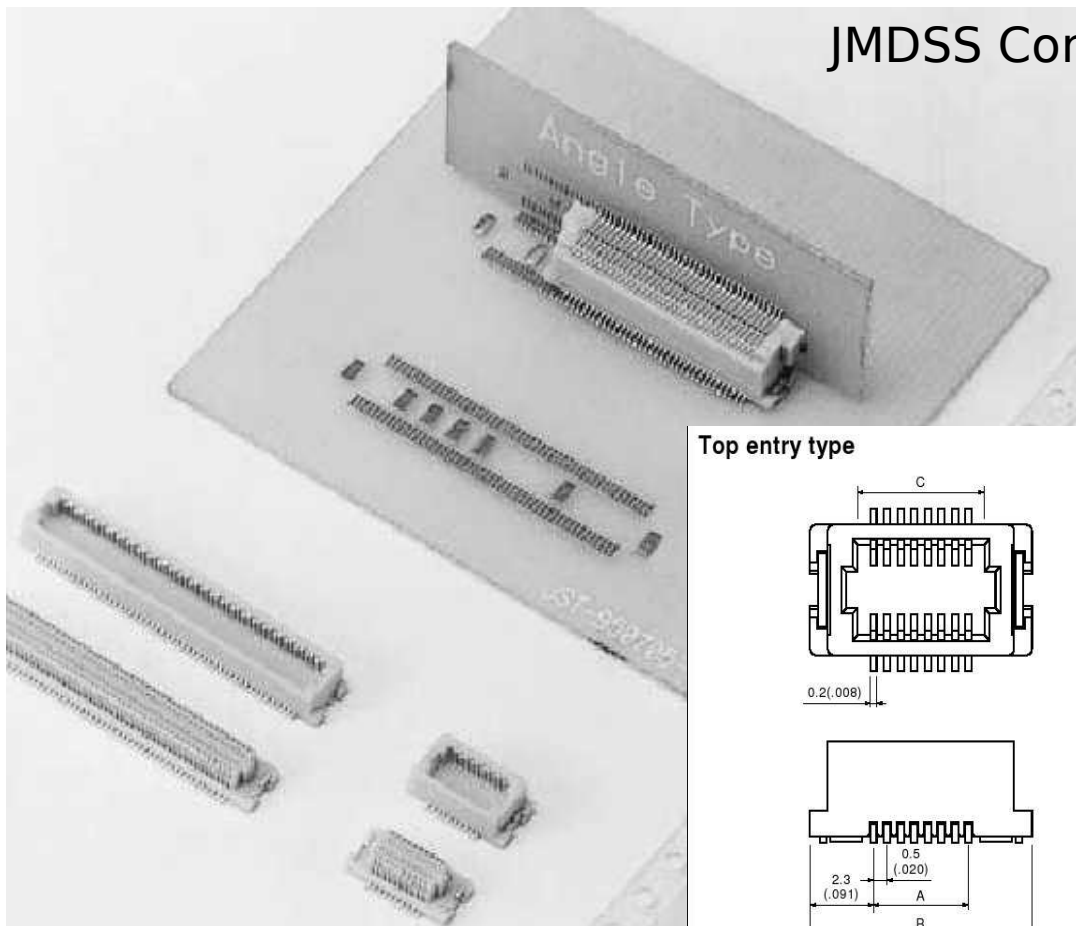


SRC

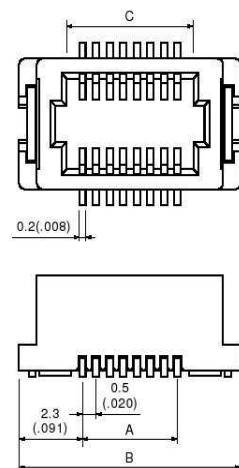


Sensor

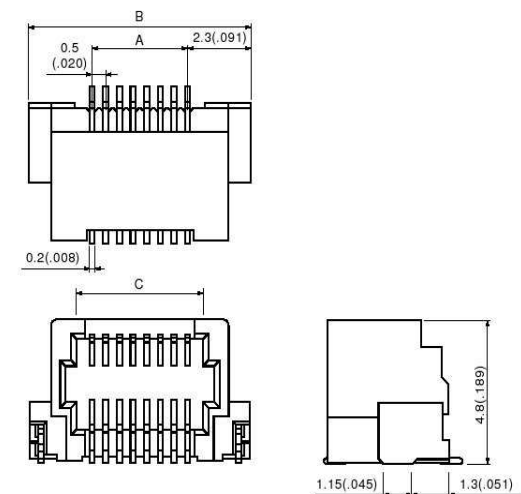
JMDSS Connectors



Top entry type



Side entry type

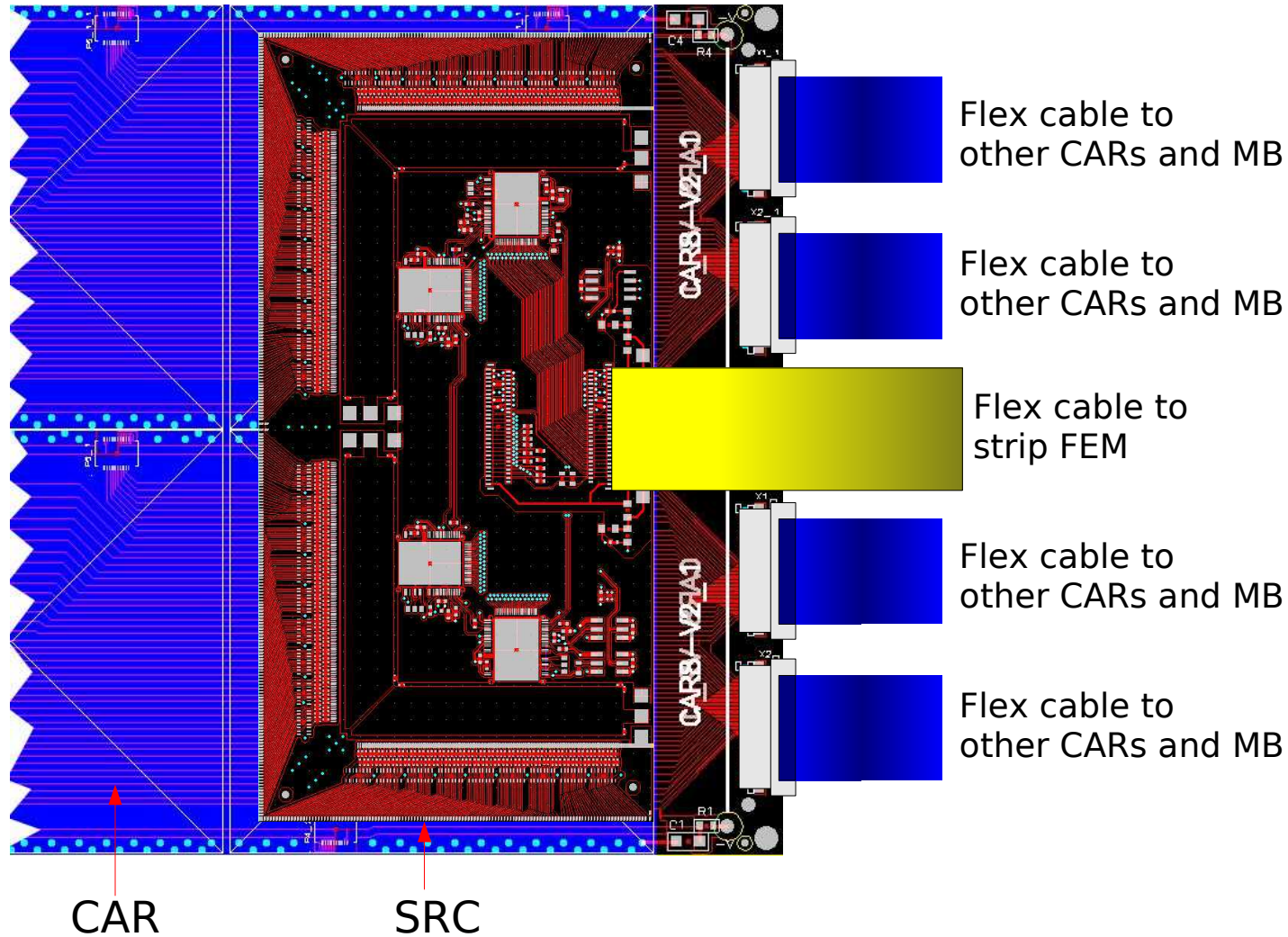


Circuits	Model No.				Dimensions mm(in.)			Q'ty / reel
	Top entry type			Side entry type	A	B	C	
	4.5mm (.177")	5.0mm (.197")	6.0mm (.236")					
20	20P-JMDSS-G-1-TF	—	—	20PS-JMDSS-G-1-TF	4.5(.177)	9.1(.358)	5.7(.224)	1,500
30	—	30P5.0-JMDSS-G-1-TF	—	30PS-JMDSS-G-1-TF	7.0(.276)	11.6(.457)	8.2(.323)	1,500
40	40P-JMDSS-G-1-TF	40P5.0-JMDSS-G-1-TF	—	40PS-JMDSS-G-1-TF	9.5(.374)	14.1(.555)	10.7(.421)	1,500
50	50P-JMDSS-G-1-TF	—	50P6.0-JMDSS-G-1-TF	50PS-JMDSS-G-1-TF	12.0(.472)	16.6(.654)	13.2(.520)	1,500
60	60P-JMDSS-G-1-TF	—	60P6.0-JMDSS-G-1-TF	60PS-JMDSS-G-1-TF	14.5(.571)	19.1(.752)	15.7(.618)	1,500
70	70P-JMDSS-G-1-TF	—	70P6.0-JMDSS-G-1-TF	70PS-JMDSS-G-1-TF	17.0(.669)	21.6(.850)	18.2(.717)	1,500
80	80P-JMDSS-G-1-TF	—	—	80PS-JMDSS-G-1-TF	19.5(.768)	24.1(.949)	20.7(.815)	1,500
100	100P-JMDSS-G-1-TF	—	—	100PS-JMDSS-G-1-TF	24.5(.965)	29.1(1.146)	25.7(1.012)	1,500

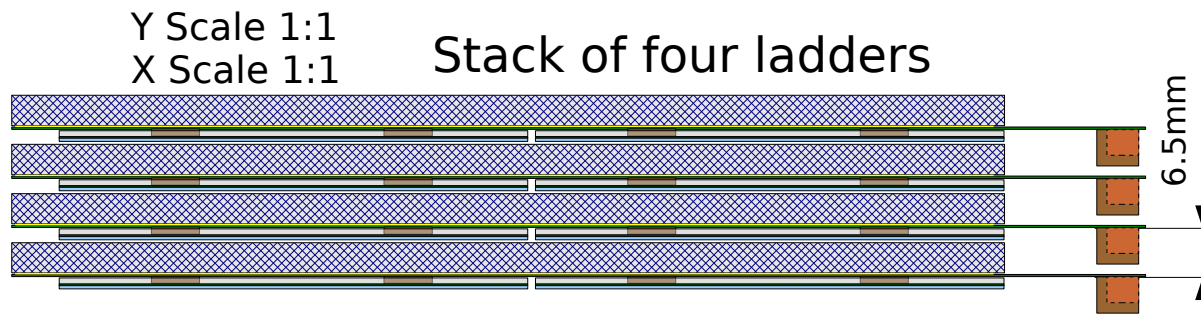
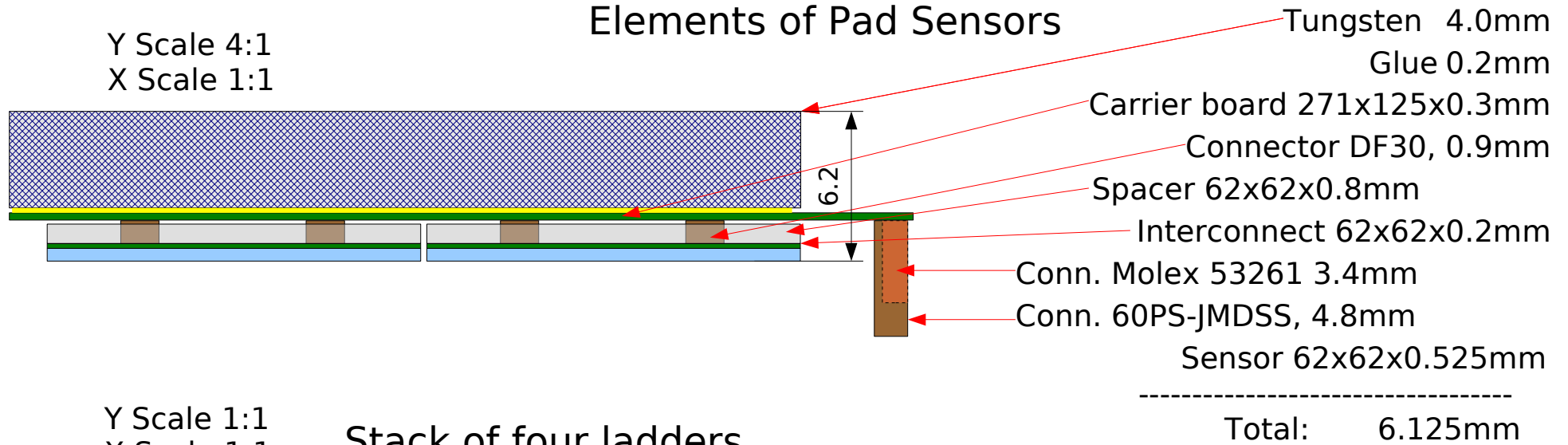
Material and Finish

Contact: Phosphor bronze, gold-plated
Housing: Polyamide, UL94V-0
Solder tab: Brass, copper-undercoated, tin/lead-plated

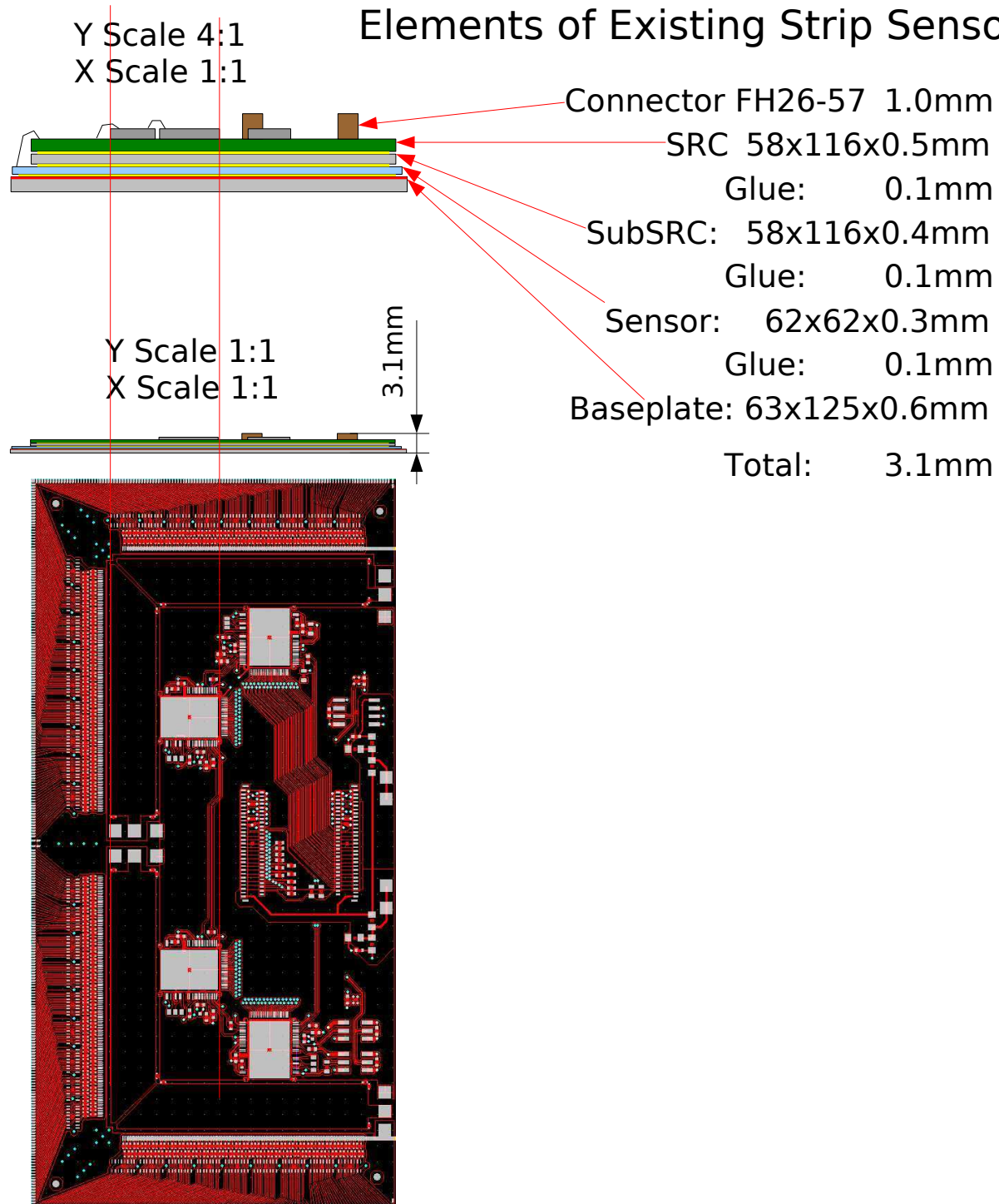
Placement of SRC Relative to CAR



Elements of Pad Sensors

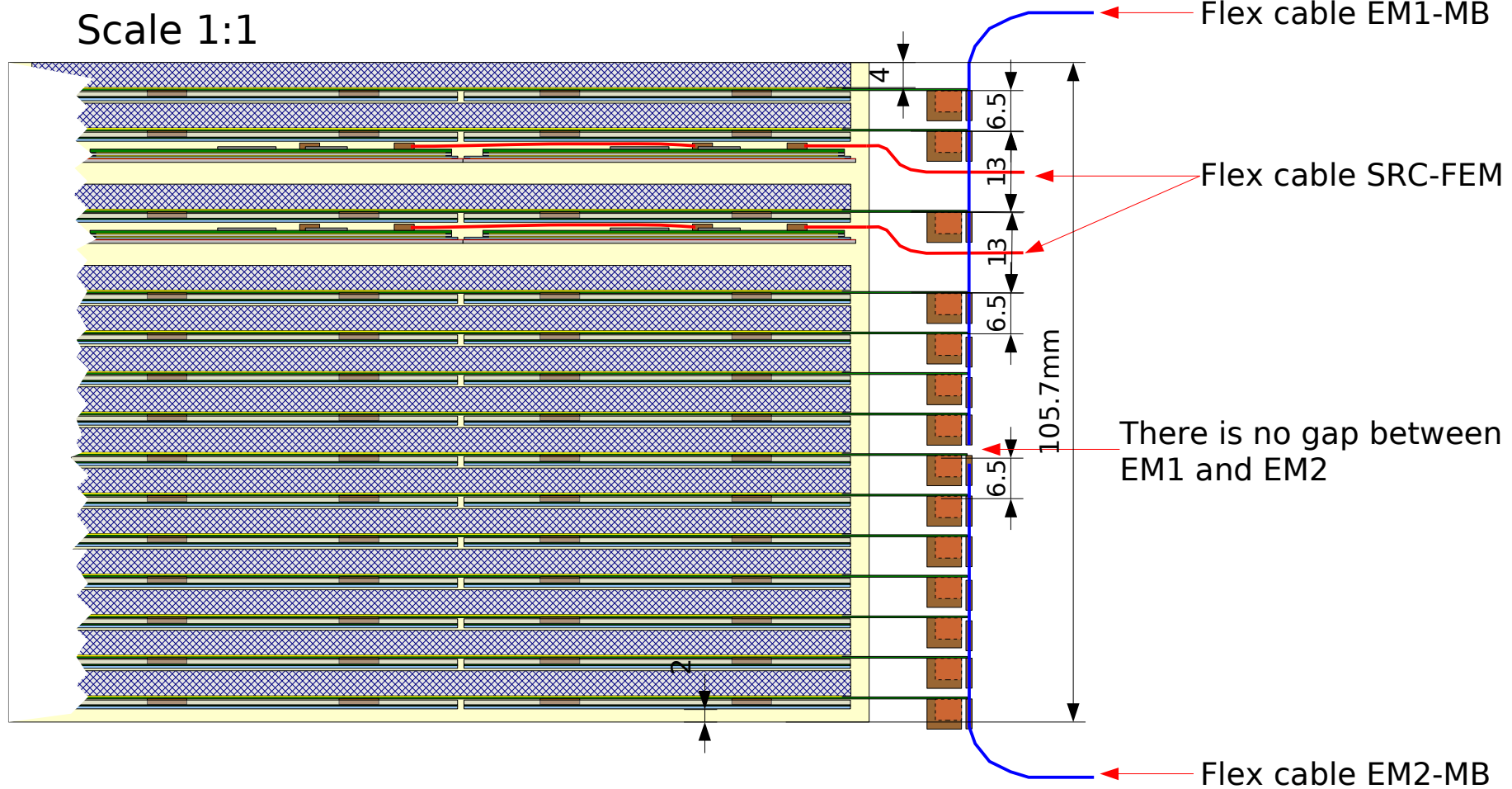


Elements of Existing Strip Sensors



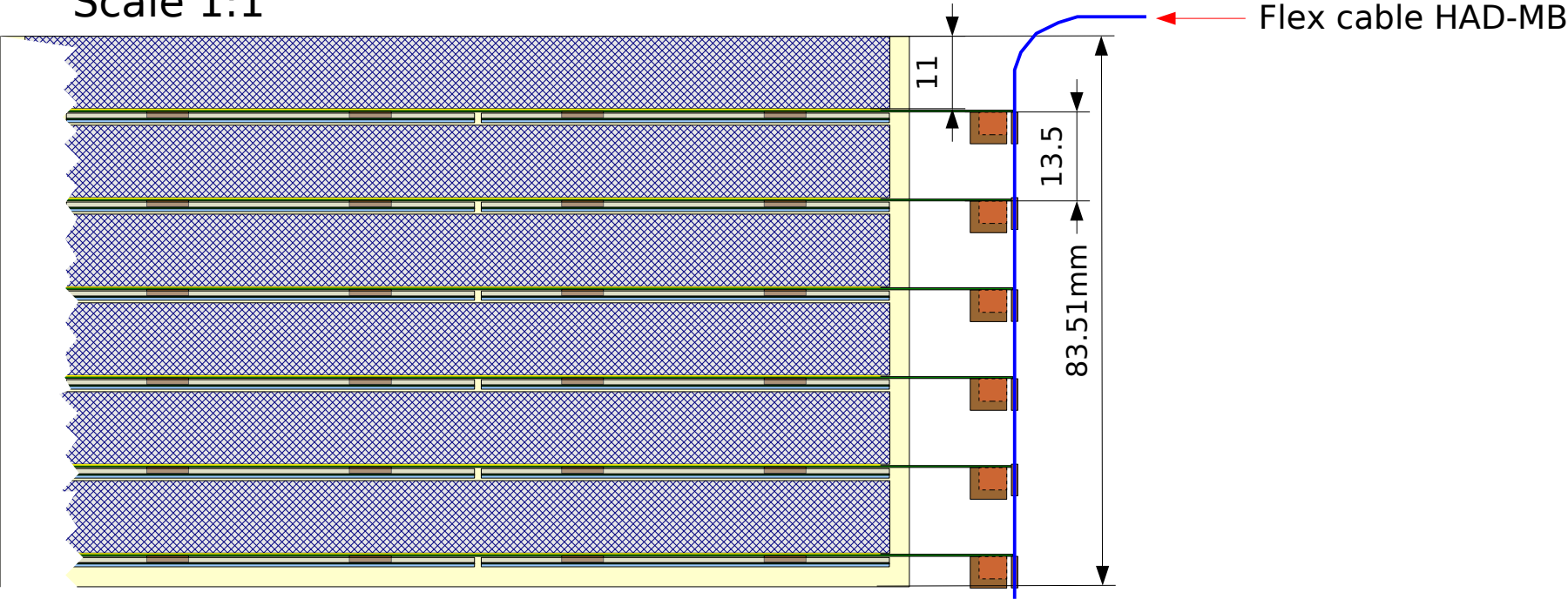
Electromagnetic Brick (segments EM1 and EM2)

Scale 1:1

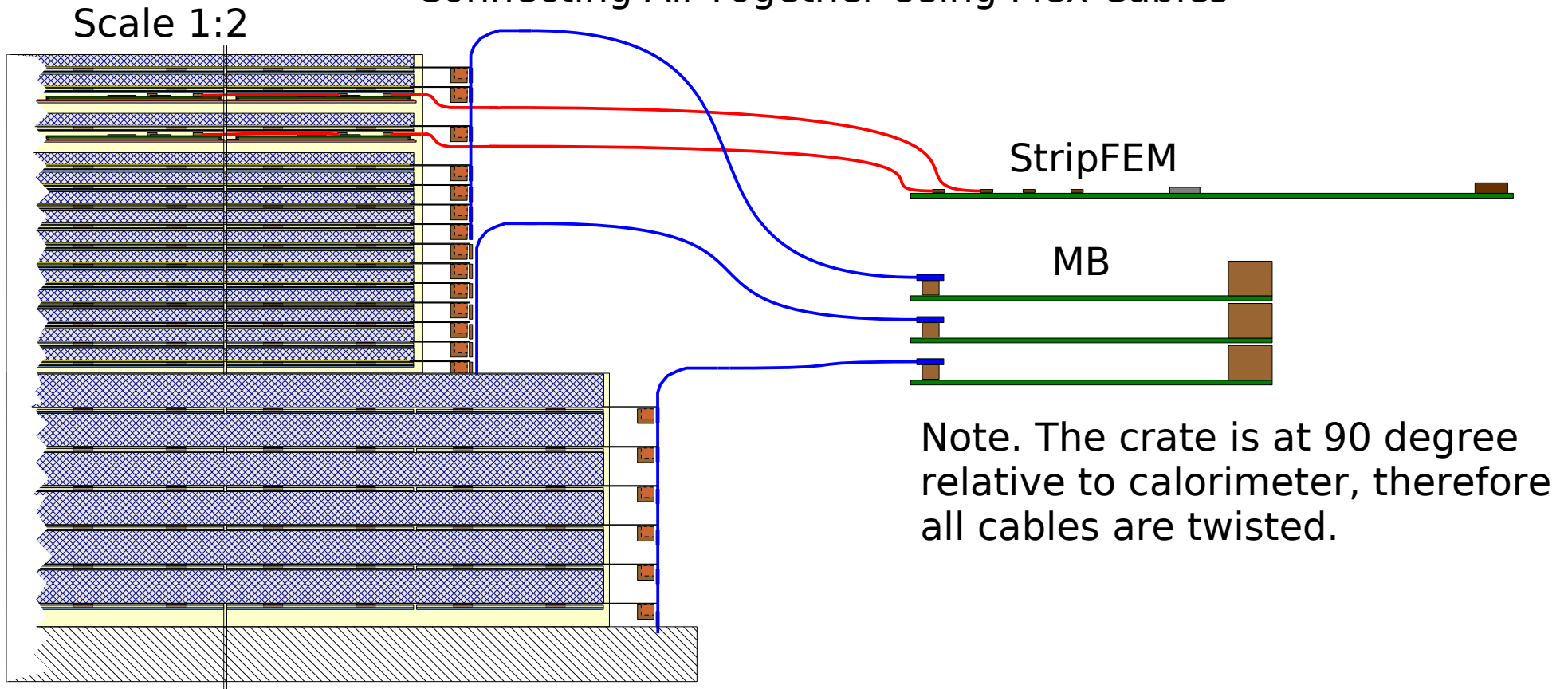


HAD Brick

Scale 1:1

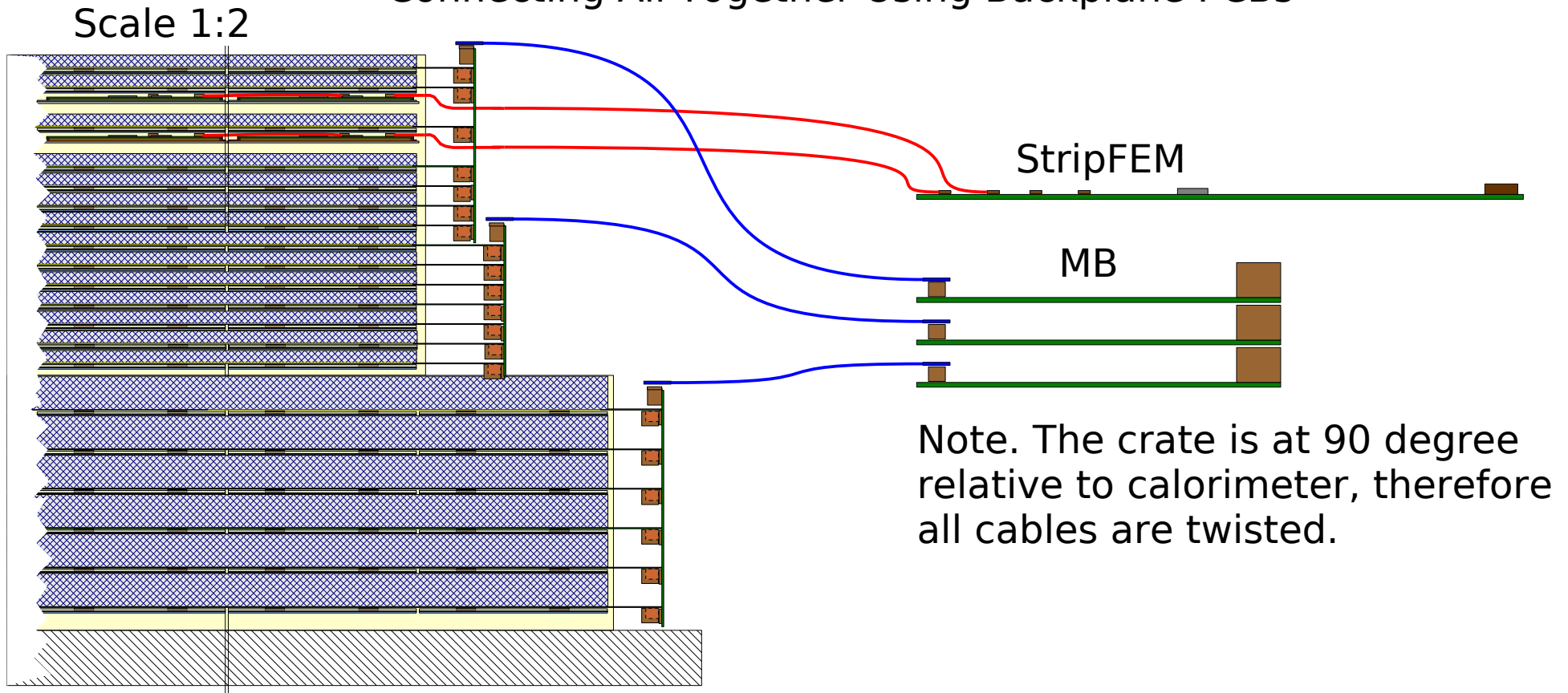


Connecting All Together Using Flex Cables



Disadvantage:
3 types of flex cables.
Expensive prototyping

Connecting All Together Using Backplane PCBs



The carrier boards have connectors 60PS-JMDSS (side plugs)
The backplanes are thin PCB with matching receptacles 60R-JMDSS and one 60PS-JMDSS (side plug) at the edge for connecting the flex cable.
All flex cables are the same and they have receptacles 60R-JMDSS on both ends.